

十大功劳属新种

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FOUR NEW SPECIES OF MAHONIA (BERBERIDACEAE)

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M. retinervis

关键词 十大功劳属; 小檗叶十大功劳; 隆林十大功劳; 短序十大功劳; 网脉十大功劳

小檗叶十大功劳 新种 图版 1: 1

Mahonia berberidifolia Hsiao et Y. S. Wang, sp. nov.

(Sect. Longibracteata, subsect. Dolichopoda)

Species affinis *M. subtriplinervi* (Franch.) Fedde, a qua foliolis pluribus 4—7-jugis basi 3-nerviis subtus flavido-viridibus margine utrinsecus 13—25-spinoso-serrulatis, racemis 14—16 cm longis, pedicellis 5—10 mm longis differens.

Frutex. Folia usque ad 35 cm longa; foliola 4—7-juga, subsimilaria, inter se 2.5—4 cm distantia, coriacea, lanceolata, 6—11 cm longa, 1—1.7 cm lata, basi cuneata, sessilia, apice longe acuminata, supra nitentia, subtus flavido-viridia, basi 3-nervia, nervis utrinque elevatis laxe reticulatis, margine spinoso-serrulata, spinis c. 1 mm longis inter se 1.5—4 mm remotis utrinque 13—25. Racemi 14—16 cm longi, vix laxiflori; bracteae ovatae, 3—4 mm longae; flores flavi, 5—6 mm diam.; pedicelli graciles, 5—10 mm longi; sepala 3 externa minima, ovata, c. 1.5 mm longa, 3 interna duplo majora, obovato-elliptica; petala oblonga, sepalis breviora, apice incisae, basi glandulifera; stamina quam petala breviora; ovaria estylosa, ovulis 2(?) instructa. Fructus ignoti.

Guangxi (广西): Mashan (马山), Jinchai Commune (金钗公社), 5 Nov. 1961. Fang Ding (方鼎) 31343 (Type, IBG).

本种接近 *M. subtriplinervis* (Franch.) Fedde, 但本种小叶数目较多, 为 4—7 对, 具基出三出脉, 背面黄绿色, 边缘每边具齿 13—25 枚; 总状花序长 14—16 厘米, 花梗纤细, 长 5—10 毫米可区别。

隆林十大功劳 新种 图版 1: 2

Mahonia longlinensis Y. S. Wang et Hsiao, sp. nov.

(Sect. Longibracteata, subsect. Acanthifoliae)

Species affinis *M. acanthifoliae* G. Don, a qua foliolis remotis vel tantum ad apicem leviter contiguus apice caudato-acuminatis margine utrinque 2—10-spinoso-serruratis, racemis 10—11 cm longis distinguenda.

Frutex 1—2 m altus. Folia 20—38 cm longa, ima basi petioli stipulis 2 filiformibus instructa; foliola 9—13-juga, remota vel ad apicem folii leviter contigua, inter se 1.5—3.5 cm distantia; laminae foliolorum anguste ovatae, 3—6 cm longae, 1.5—2.3 cm latae, eae foliolorum lateralium basi oblique subtruncatae (sed eae foliolorum terminalium regulariter subcordatae), apice caudato-acuminatae, in sicco nervis supra leviter impressis subtus elevatis, margine spinoso-serrulatae, serraturis utrinsecus 2—10 inter se 3.5—4.3 mm distantibus. Racemi c. (8—)11—12 cm longi; bracteae ovato-oblongae, c. 3 mm longae; pedicelli c. 4 mm longi. Baccae immaturae ovoideae, 4—5 mm in diam., pruinosa, stylo persistente 0.5—0.7 mm longo, ovulis 3—4 stipitatis.

Guangxi (广西): Longlin (隆林), Zhebao Commune (者保公社), alt. 1280—1460 m, Oct. 1980, Liang Jian-ying (梁建英) and Tan Min-fu (覃民府) K 052010 (Type, IBG); same locality, 18 May 1979, Tan Min-fu (覃民府) 2430.

本新种近 *M. acanthifolia* G. Don, 但本种的小叶彼此在叶轴上分离或至多在上部稍邻接, 小叶的顶端尾状渐尖, 边缘每边具刺状锯齿 2—10 枚; 总状花序长 10—11 厘米, 可区别。

短序十大功劳 新种 图版 1: 3

Mahonia breviracema Y. S. Wang et Hsiao, sp. nov.

Species insignis ab omnibus speciebus Sect. *Longibracteatarum* foliolis terminalibus sessilibus, nervis supra in sicco conspicue impressis, inflorescentiis brevioribus usque ad 5 cm longis, bracteis minimis ad 1 mm longis facile distinguenda.

Frutex c. 1 m altus. Folia imparipinnata; foliola 4-juga, subsimilaria, tantum terminalia lateralibus leviter majora, elliptica vel obovata, 3—6.6 cm longa, 1.2—2.2 cm lata, basi anguste cuneata, apice acuminata, supra viridia, subtus pallidiora, in sicco nervis supra conspicue impressis subtus elevatis, margine supra medium utrinque 2—5-spinoso-serrata, serraturis inter se 3—13 mm distantibus. Racemi c. 5 fascicu lati, 2.5—4.5 cm longi, densiflori; flores flavi, c. 4 mm diam.; pedicelli 2—3 mm longi, tenues; bracteae minimae, ovatae, usque ad 1 mm longae; sepala 3 externa minima, late ovata, c. 0.5 mm longa, 3 media majora, subconformia, 3 interna maxima, late ovato-oblonga; petala 6 oblonga, sepalis internis vix minora, apice vix emarginata, basi glandulifera; stamina normalia, filamentis antheris magis longioribus; ovarium stylo persistente brevi c. 0.5 mm longo ovulis 2 stipitatis.

Guangxi (广西): Guilin (桂林), Guangxi Inst. Bot. Gard. Cult., 9 June 1959, Lee Shu-kang (李树刚) 200582 (Type, IBG) Yan Shan (雁山), China-Germany Exp. (中德采集队) 225; Lingui (临桂), C. H. Tsoong (钟济新) 808701.

本新种在本属中比较特殊, 在于顶端一片小叶无柄, 叶轮廓近菱形, 表面的叶脉干后明显下陷; 花序甚短, 长在 5 厘米以下, 苞片甚小, 长在 1 毫米以下, 易与其他种区别。

网脉十大功劳 新种 图版 1: 4

Mahonia retinervis Hsiao et Y. S. Wang, sp. nov.

(Sect. Longibracteatae, subsect. Dolichostyles)

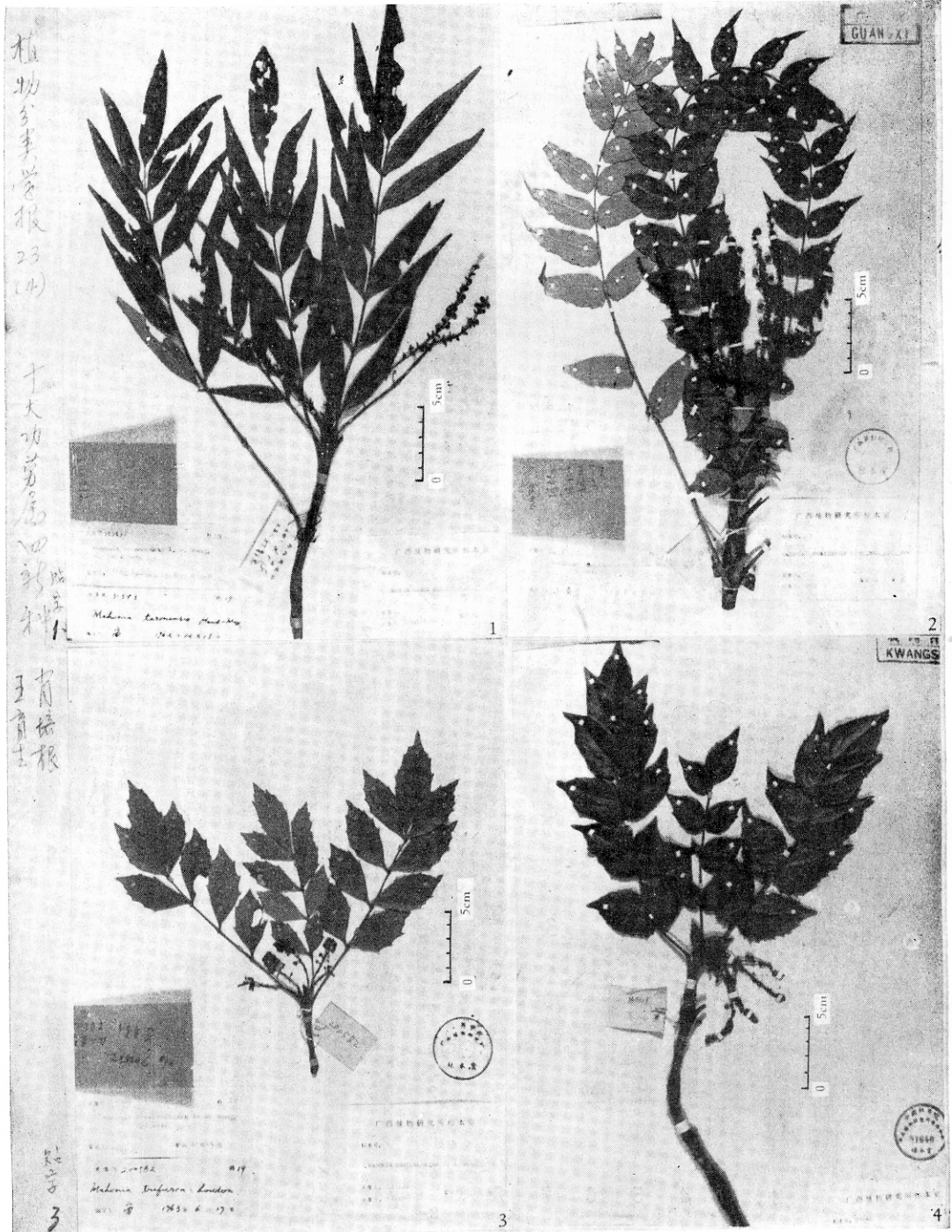
Species similis *M. duclouxiana* Gagn., a qua foliolis 4—5-jugis, margine spinoso-serrulatis, serraturis utrinque 5—12, nervis utrinque elevatis reticulatis, racemo 5—7 cm longo differt.

Frutex c. 1 m altus. Folia alterna, imparipinnata, 15—21 cm longa, ima basi petioli stipulis 2 filiformibus instructa; foliola 4—5-juga, coriacea, inter se 2—4.5 cm distantia, lateralia oblique ovata, 2.8—6 cm longa, 1.7—3.5 cm lata, **infima minora**, a basi petioli 1—1.2 cm distantia, basi truncata vel leviter cordata, apice breve acuminata, supra viridia, subtus pallidiora, nervis utrinque conspicue elevato-reticulatis, areolis foveolata, margine utrinque 3—11-spinoso-serrulata, serraturis inter se 2—11 mm distantibus, terminalia ovata, 4—6.5 cm longa, 1.8—3.5 cm lata, basi rotunda vel cordata. Inflorescentia racemosa, brevis, 4.5—7 cm longa; bracteae ovatae, usque ad 2 mm longae; pedicelli 3—4.5 mm longi; flores flavi, minuti, inexplicati, c. 3 mm diam. Fructus ignoti.

Guangxi (广西): Ma Shan, (马山), 30 Aug. 1956, Zhong Shu-quan (钟树权) 301511 (Type, IBG).

本新种与 *M. duclouxiana* Gagn. 相似, 但本种的小叶 4—5 对, 小叶边缘的刺状小锯齿每边 5—12, 叶脉两面均隆起, 网脉呈蜂窝状; 总状花序长 5—7 厘米可以区别。

本植物的全株, 当地称“木黄连”, 煎水服作为解热药。



1. 小檗叶十大功劳 *Mahonia berberidifolia* Hsiao et Y. S. Wang,
2. 隆林十大功劳 *M. longlinensis* Y. S. Wang et Hsiao,
3. 短序十大功劳 *M. breviraema* Y. S. Wang et Hsiao,
4. 网脉十大功劳 *M. retinervis* Hsiao et Y. S. Wang.